

20010111.qrp v02_n064.qrl.20010111

Date: Thu, 11 Jan 2001 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2064

QRP-L Digest 2064

Topics covered in this issue include:

- 1) [88333] Source for SA612AN/NE602 replacement
by Dan Tayloe <dtayloe@home.com>
- 2) [88334] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
by "laura halliday" <marsgal42@hotmail.com>
- 3) [88335] Re: Presentation on QRP?
by "E. Roswell" <eroswell@monmouth.com>
- 4) [88336] cq Des Moines
by "Mike Duke" <k5xu@concentric.net>
- 5) [88337] Re: SLV construction question
by Tim Hodges <7twh@ttc-cmc.net>
- 6) [88338] NEQRP CW Net, Thursday, 11 Jan 01, 7.035 MHz
by Chuck Ludinsky <cjl@mitre.org>
- 7) [88339] Re: QRP-L digest 2063
by "James W. Sample" <samplekj@juno.com>
- 8) [88340] Re: Source for SA612AN/NE602 replacement
by "George Heron N2APB" <n2apb@erols.com>
- 9) [88341] Re: 17m Sat Morning PSK net--The Results
by "Rod Cerkoney" <n0rc@hotmail.com>
- 10) [88342] DSW20 and SWL support
by aberkuta <aberkuta@shoal.net.au>
- 11) [88343] Re: TMPS: Off and Running on 30m
by Ted Albert <ted.albert@worldnet.att.net>
- 12) [88344] Home Brew PSK31
by "Graeme Zimmer" <gzimmer@bigpond.com>
- 13) [88345] Re: Arkiecon 2001
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 14) [88346] FOX
by "George Lee" <georgekr5c@cablelynx.com>
- 15) [88347] Cub FOX K5DI on 7.140.89 at 0200Z
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 16) [88348] Re: Key ID
by W1R0@aol.com
- 17) [88349] MI-QRP CW Contest
by Buck Switzer <n8cqa@tir.com>
- 18) [88350] Re: Cub FOX K5DI on 7.140.89 at 0200Z
by "Trevor Jacobs" <fxtech@earthlink.net>
- 19) [88351] FOX: Cub scoring site updated

- by John Wagner <john@neknetwork.com>
- 20) [88352] Buckeye Electronics Closed
by Lew Paceley <lew@paceley.com>
- 21) [88353] Re: PSK: Dreaming
by bob evinger <wd9eka@arrl.net>
- 22) [88354] FOX! First fox EVER bagged - yippee!
by Jeff Stai WK6I <jstai@home.com>
- 23) [88355] Trip to San Antonio TX - Swap Meet
by "Trevor Jacobs" <fxtech@earthlink.net>
- 24) [88356] Re: Arkiecon 2001
by DYARNES@aol.com
- 25) [88357] Wind got my antennas today, in San Jose CA!!!
by "Dave Fifield" <ad6a@earthlink.net>
- 26) [88358] 40 meter DX is wide open again
by RangerSF5@aol.com
- 27) [88359] Re: MFJ rig
by RangerSF5@aol.com
- 28) [88360] Re: 40 meter DX is wide open again
by "David Porter" <dporter@voicenet.com>
- 29) [88361] TMPS
by ac5ez@webtv.net (Larry)
- 30) [88362] Buckeye electronics
by "Russ Hines" <radioruss@fuse.net>
- 31) [88363] FOX Prelim log for Jan 10
by "Karl F. Larsen" <k5di@zianet.com>
- 32) [88364] CONTEST CALENDAR [QRP] - Jan 13/19
by Ken Newman <N2CQ@citnet.com>
- 33) [88365] Re: Wind got my antennas today, in San Jose CA!!!
by "M.M." <markem@primenet.com>
- 34) [88366] transistor equivalent
by "Mark Paley" <mpaley@wcnet.org>
- 35) [88367] Re: Buckeye Electronics Closed
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 36) [88368] TECHNICAL QUESTION!
by "ZOOM" <kandRparker@sympatico.ca>
- 37) [88369] Low-noise: measuring Base-spreading-resistance?
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 38) [88370] Re: Icom IC-706MKIIG Question
by Jim Glover <psykey@okcforum.org>
- 39) [88371] F/S Shack Cleaning
by "Francis Callahan" <colcal@srv.net>
- 40) [88372] RE: transistor equivalent
by "Hampton, Rickey" <Rickey_Hampton@PremierInc.com>
- 41) [88373] HTX-10 CW ADAPTOR
by John Farler <jfarler@mis.net>
- 42) [88374] Re: [TMPS] Thirty Meter Propagation Study for 2001 [long]
by "Rod Cerkoney" <n0rc@hotmail.com>
- 43) [88375] Re: 80/40 Vertical..

by Curt Milton <wb8yyy@yahoo.com>
44) [88376] Re: Low-noise: measuring Base-spreading-resistance?
by Chris Trask <ctrask@primenet.com>
45) [88377] K1 current draw on receive??
by "Doug Hendricks" <ki6ds@dph.dpol.net>
46) [88378] Another Patent Issued
by Chris Trask <ctrask@primenet.com>
47) [88379] FT-817 mini review... (with extensive current draw
comparison data)
by "Chuck Carpenter" <w5usj@globeco.net>
48) [88380] Re: Another Patent Issued
by "Paul Harden, NA5N" <na5n@rt66.com>
49) [88381] Re: Another Patent Issued
by Macstein@aol.com
50) [88382] Harbor Freight Punch
by "Phinizy, William" <wphinizy@filenet.com>
51) [88383] FOX: CubFox Hunt #24 Final Log
by Ron Majewski <majewski@erim-int.com>
52) [88384] Fw: Aurora Watch and Lunar Eclipse Photos
by "Rod Cerconey" <n0rc@hotmail.com>
53) [88385] Re: Another Patent Issued
by Chris Trask <ctrask@primenet.com>
54) [88386] Re: Another Patent Issued
by Chris Trask <ctrask@primenet.com>
55) [88387] FS: DSW-20
by Andrew Madsen <andrew@utahdesign.com>
56) [88388] Noise Generator and Mic Pre-amp kits
by "Bob Hightower" <nk7m@extremezone.com>
57) [88389] Re: Another Patent Issued
by "John J. McDonough" <wb8rcr@arrl.net>
58) [88390] Re: Harbor Freight Punch
by Stephen M Smith <sigcom@juno.com>
59) [88391] Re: Harbor Freight Punch
by Stephen M Smith <sigcom@juno.com>
60) [88392] Re: Harbor Freight Punch
by Stephen M Smith <sigcom@juno.com>
61) [88393] Re: Another Patent Issued
by Chris Trask <ctrask@primenet.com>
62) [88394] Re: FOX: Cub scoring site updated
by Dave Sjolin <sjolin@swbell.net>
63) [88395] Re: FT-817 Question
by "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>
64) [88396] Fwd: RadioKit - Debug Deja Vu - 4
by "Larry Wise" <lewise@txwises.com>

Date: Wed, 10 Jan 2001 17:32:02 -0700

From: Dan Tayloe <dtayloe@home.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [88333] Source for SA612AN/NE602 replacement
Message-ID: <3A5CFF02.587E7F47@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I noticed in the Future Active flyer I just got (this is a big electronics distributor - www.future-active.com) that both the DIP and SOIC version of the SA602 and SA612 were listed. The SA612 version is cheaper at \$2.19 each, \$1.44 in 1000s.

However, I just checked the website and it says "call for availability".

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Thu, 11 Jan 2001 00:44:57
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [88334] Re: PSK31 DOES NOT HAVE ERROR CORRECTION!!!!
Message-ID: <F820bSXNC6exvmxzf5g00004fe7@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

ZOOM (kandRparker@sympatico.ca) wrote:

>Isn't QPSK just 2 PSK signals shifted 90 degrees?
>This gives you a denser constellation but yes increased
>bandwidth! There are no extra bits added to PSK for error
>correction as is the case with CRC error correction.

No, on all counts. Each input bit (Varicode-encoded information) produces two output bits. These could be transmitted sequentially, but are instead transmitted simultaneously in a two-dimensional constellation. With the redundant information the receiver can decide if it's receiving information that fits the code, and, if not, can use well-known algorithms (Viterbi isn't the only option) to find the most likely codeword that matches what it's just received and recover the data.

There are good discussions of coding in references like Wilson. People write books on the subject, like Wicker. See <<http://www.qsl.net/ve7ldh/reading.html>> for

bibliographic details; I own copies of both. You might want to read up on the subject...

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Wed, 10 Jan 2001 19:54:10 -0500
From: "E. Roswell" <eroswell@monmouth.com>
To: qrp-1@Lehigh.EDU
Subject: [88335] Re: Presentation on QRP?
Message-ID: <3A5D0432.C93DB755@monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Go to NJ QRP Club pages, at:
<http://www.njqrp.org/whyqrp/whyqrp.htm>
There is a whole slide show on what you want.
73, Ed,
K2MGM

Date: Wed, 10 Jan 2001 19:30:04 -0600
From: "Mike Duke" <k5xu@concentric.net>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [88336] cq Des Moines
Message-ID: <000b01c07b6e\$271ced00\$2a320140@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On short notice, will someone from the Des Moines area please send me a list of repeaters which take in strangers.

I will be in the convention center complex beginning Friday afternoon for the weekend. I have a VX5R and would like to program it from my computer before I arrive.

72,

Mike Duke, K5XU, President,
American Council of Blind Radio Amateurs

Date: Wed, 10 Jan 2001 18:30:23 -0700
From: Tim Hodges <7twh@ttc-cmc.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88337] Re: SLV construction question
Message-ID: <3A5D0CAF.A2D1896C@ttc-cmc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all who responded. I think I will go with the nylon cable tie approach.

72
Tim

Tim Hodges wrote:

```
>
> Santa brought me a new SD-20 pole to build an SLV with. One construction
> question I have is how to secure the twinlead loading coil. I thought
> about looking for some monster heat shrink tape. How have any of you
> done it?
>
> 72 de KD7JZ
> Tim
```

[illegible]

"Through our scientific genius, we have made this world a neighborhood; now through our moral and spiritual development, we must make of it a brotherhood." - MLK, Jr.

Date: Wed, 10 Jan 2001 20:38:00 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu

Subject: [88338] NEQRP CW Net, Thursday, 11 Jan 01, 7.035 MHz
Message-ID: <3A5D0E78.CDCFCC13@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The New England QRP Club's CW net will meet again Thursday night, 11 January, on 40M. The net will be held on or around 7.035 MHz at 9:00 PM EST (0200Z, 12 Jan 01). Net control op will be John, WB1HBE, operating from Chelmsford, MA.

Check-ins for last week's net (January 4, 2001) were:

1. K1CL -	Chuck in Chelmsford, MA	RST 599.
2. WB1HBE -	John in Chelmsford, MA	RST 599
3. N1EI -	Charlie in Mansfield Center, CT	RST 599
4. N1ZSW -	Ron in Worcester, MA	RST 599
5. K1RC -	Ron in Dracut, MA	RST 599
6. W1PID -	Jim in Sanbornton, NH	RST 599
7. K1LGQ -	Net Control Station - Dennis in Brookline, NH	

Dennis reported that "All station were clear, crisp and full strength. As the net wore on, the signals got stronger. There was only one Spanish speaking phone station which signed off quickly at the beginning of the net and there was only one CW station "up frequency" calling CQ which didn't bother the net. All in all, a VERY quiet net and very smooth. I enjoyed talking to you all. Happy New Year and see you at ARRL in March."

72 DE K1CL,
Chuck.

Date: Wed, 10 Jan 2001 18:48:32 -0700
From: "James W. Sample" <samplekj@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [88339] Re: QRP-L digest 2063
Message-ID: <20010110.184833.-821943.0.samplekj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Mike:

I run my HTX-202 on external power or mobile. What I do is use the "regular" AA battery pack EMPTY. This makes the 202 handling friendly

rather than possibility of getting "bitten" and it allows for putting the machine in a case, etc. in the configuration that fits well.

72/73

Jim W7TF

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 10 Jan 2001 20:56:23 -0500

From: "George Heron N2APB" <n2apb@erols.com>

To: <n4so@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [88340] Re: Source for SA612AN/NE602 replacement

Message-ID: <004601c07b71\$b5e860c0\$0100000a@gheron>

MIME-Version: 1.0

Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Lots of talk of finding the venerable SA602 or SA612 chips these days. It's tough indeed. This actually put the skids on a couple of NJQRP kits in the last 6 months or so.

Someone recently stated that the NJQRP is sourcing the mixer ... not so. We have a very limited number of mixers as part of the "PSK-20 Specialty Parts Kit", as listed in QST for June, but that's only as part of the whole parts kit supplied. (i.e., we don't sell separate chips from the Specialty Parts Kit.)

There was some talk that the Philips foundry (in Arizona?) had burned down and would be back in operation again sometime, providing '612 chips again ... but I haven't heard any other details.

Good luck!

73, George N2APB

NJQRP at <http://www.njqrp.org>

=====
The SA612AN is showing up in QST schematics such as the PSK31 transceiver from QST June 2000-page 33 in the parts list.
[snip]

Date: Wed, 10 Jan 2001 19:04:31 -0700
From: "Rod Cercone" <n0rc@hotmail.com>
To: eleccraft@qth.net, qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [88341] Re: 17m Sat Morning PSK net--The Results
Message-ID: <F267W06hm8Ua8d9Ee4z000022a3@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OOPS Left off the FREQ. At work now, so I can't check the log, but it was near 18.107 as best I can remember. I want to stay away from the propagation beacon at 18.110 and another weaker beacon on 18.101.

73, Rod

>From: "Rod Cercone" <n0rc@hotmail.com>
>Reply-To: n0rc@hotmail.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: 17m Sat Morning PSK net--The Results
>Date: Wed, 10 Jan 2001 15:13:39 -0700
>
>On Sat 06-Jan-2001 four stations "checked in" for the 17m PSK QRP-L
>net:
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Thu, 11 Jan 2001 13:09:27 +1100
From: aberkuta <aberkuta@shoal.net.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88342] DSW20 and SWL support
Message-ID: <3A5D15D7.60A5B0B6@shoal.net.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All

Just a quick note to say that I was lucky to receive one of Dave NN1G's final DSW rigs that

he is producing.

I had a spot of bother, and Dave's help down here to the antipodes has been absolutely fantastic.
He picked my fault within a couple of e-mails and the little unit now sings a lovely tune.

Now to take Junior to the lake fishing, and I will try to catch something over the Pacific with the DSW20, SD pole and inverted V on 14.060 and 0230UTC
(11th Jan).

Thanks Dave from a very happy OM. (white beard and all)

regards

Alex
vk2ket

Date: Wed, 10 Jan 2001 21:17:00 +0000
From: Ted Albert <ted.albert@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88343] Re: TMPS: Off and Running on 30m
Message-ID: <01011021170000.00220@rain>
Content-Type: text/plain;
 charset="windows-1252"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Wednesday 10 January 2001 14:51, Franco, Nicholas J wrote:

>
>
> Hope to see more TMPS stories coming soon.
>

I was on last night with my unmodified, 300mw 38 Special, affectionally nicknamed "thumper", if you have one you know why. Also activated my SW-30 at 1.5 watts. No QSOs last night, but I'll be on as much as possible looking for TMPS contacts. I've made a few QSOs with the 300 mw 38 Special. Always a kick to know you made a contact using the gates of an IC for your final amplifier.

I remember Doug mentioning that Norcal was going to sponsor an award for the first WAS with the 300mw version of the 38 Special. Did anyone qualify? Anyone close to WAS yet with the 300mw version?

72 and see you on 30 meters.

Ted, AB8FJ

Date: Thu, 11 Jan 2001 13:14:37 +1100
From: "Graeme Zimmer" <gzimmer@bigpond.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [88344] Home Brew PSK31
Message-ID: <001b01c07b74\$40d50920\$1d5b868b@zimslaptop>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks....

I've just uploaded details of my little PSK31 audio Transmitter

<http://www.users.bigpond.com/gzimmer/default.html>

cheers Zim VK3GJZ

Date: Thu, 11 Jan 2001 02:30:17 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: graham.firth@btinternet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88345] Re: Arkiecon 2001
Message-ID: <5.0.2.1.0.20010111022755.00a33090@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:49 PM 1/10/01 +0000, Graham Firth wrote:

>Hi

>----- Original Message -----

>From: "Doug Hendricks" <ki6ds@dph.dpol.net>

>>I cannot wait to see Tony and Graham eat Fried

>> Cukes and Turkey Fries.

>I hope someone is going to tell us what Fried Cukes and Turkey Fries are!

There is a country and western song that has the phrase --- " I wonder but I don't really want to know."

That may be the case here. See you guys in Arkansas....

ciao,

Chuck Adams, K7Q0
Prescott, AZ k7qo@primenet.com

TMPS-2001 1/10/2001 WAS = 0 worked DXCC = 0 worked COUNTIES = 0 worked Q's
= 0

Date: Wed, 10 Jan 2001 20:41:22 -0600
From: "George Lee" <georgekr5c@cablelynx.com>
To: <qrp-l@Lehigh.EDU>
Subject: [88346] FOX
Message-ID: <001301c07b78\$0a74e9a0\$690acc18@cablelynx.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is my receiver playing tricks on me?

I don't hear the fox or any hounds anywhere close to the announced frequency of 7.041+/-.

Maybe I should check 7.140 or so.

NC should be causing me overload.

George KR5C

Date: Wed, 10 Jan 2001 21:52:41 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Subject: [88347] Cub FOX K5DI on 7.140.89 at 0200Z
Message-ID: <200101102152_MC2-C13C-8DAB@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Karl K5DI is on 7.140.89 with a good group of hunters. He is a solid 579=
. =

Best wishes to Karl on this first outing as a Cub FOX. Good luck everyon=
e
on bagging a pelt tonight.

72,
--Doc/K0EVZ

Date: Wed, 10 Jan 2001 22:05:55 EST
From: W1R0@aol.com
To: n0rc@hotmail.com, qrp-1@lehigh.edu
Subject: [88348] Re: Key ID
Message-ID: <9c.a9e9c5c.278e7d13@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Check out this site it has list of sites for collectors and antique CW stuff
[http://srd.yahoo.com/srst/28803227/telegraph/10/136/*http://fohnix.metronet.co](http://srd.yahoo.com/srst/28803227/telegraph/10/136/*http://fohnix.metronet.com/~nmcewen/tel_off-page.html)
[m/~nmcewen/tel_off-page.html](http://srd.yahoo.com/srst/28803227/telegraph/10/136/*http://fohnix.metronet.com/~nmcewen/tel_off-page.html)

or www.nyeviking.com they have an email address there to inquiry about more
info.

Gud Luk
72
Jim
W1R0/7

Date: Wed, 10 Jan 2001 22:10:54 -0500
From: Buck Switzer <n8cqa@tir.com>
To: qrp-1@lehigh.edu
Cc: n8cqa@tir.com

Subject: [88349] MI-QRP CW Contest
Message-ID: <3A5D243E.E5728868@tir.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang - The MI-QRP CW Contest, scheduled for this weekend (01-13-01), MUST be moved to the weekend of 01-20-01, due to the NAQP CW contest moving into this coming weekend. In previous years, we have found the conflict with this nation-wide contest impossible to overcome!!

Please let everyone who might be interested in participating know about this date change!!!

73 Buck N8CQA

Date: Wed, 10 Jan 2001 19:53:29 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88350] Re: Cub FOX K5DI on 7.140.89 at 0200Z
Message-ID: <001201c07b82\$0fe7fa80\$349eb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yea, Karl is about 559 in Burbank,CA tonight. Finally snagged my second FOX!!! He was right around 7.141. Take care...

73
Trev
KG6CYN

----- Original Message -----
From: Wilford D. Lindsey <70511.3041@compuserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, January 10, 2001 6:52 PM
Subject: Cub FOX K5DI on 7.140.89 at 0200Z

> Gang:
>
> Karl K5DI is on 7.140.89 with a good group of hunters. He is a solid 579.
> Best wishes to Karl on this first outing as a Cub FOX. Good luck everyone
> on bagging a pelt tonight.
>

> 72,
> --Doc/K0EVZ
>

Date: Wed, 10 Jan 2001 23:14:41 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88351] FOX: Cub scoring site updated
Message-ID: <3A5D3331.77A22B42@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All;

I have updated the Fox Cub Scoring site with the latest and greatest results that I've received. <http://www.neknetwork.com/foxcub2000/> - hound scores, fox scores and logs and maps are available.

I'm missing one log from the double hunt on 1/02/2001.

All Cub Foxii; Please send me your final logs ASAP after your hunt. The following format should be used:

TIME CALL RST SPC NAME PWR

Example: 0200 AA1AA 559 MA BOB 5W

Please remember to add yourself at the end at 0400 and include your power. Tab delimited is fine, space delimited is better.

All hounds; if you care about your score on the site and you have changed your call sign mid-season, please let me know so I can make sure your scores are accurate.

Thanks, 73,

John, KB1ENS

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Wed, 10 Jan 2001 22:28:09 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [88352] Buckeye Electronics Closed
Message-ID: <005f01c07b86\$e70e92e0\$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="Windows-1252"
Content-transfer-encoding: 7bit

Folks,
Several on the list have asked whether Buckeye Electronics is still in business. Sad to say, the answer is NO. I received the reply below to my e-mail inquiry as to whether they were still accepting orders. FYI.

72/73,
Lew
N5ZE

----- Original Message -----
From: "Pat Tendam" <buckeye@wcoil.com>
To: "Lew Paceley" <lew@paceley.com>
Sent: Wednesday, January 10, 2001 21:49 PM
Subject: Re: Hi, are you still accepting orders?

> Thanks for the inquiry. We closed the company at the end of 2000.
Other
> time commitments with family, friends, and work are consuming all
our time.
>
> WS8T and KB8ETT

Date: Wed, 10 Jan 2001 23:18:28 -0500 (EST)
From: bob evinger <wd9eka@arrl.net>
To: ZOOM <kandRparker@sympatico.ca>
Cc: qrp-1@lehigh.edu
Subject: [88353] Re: PSK: Dreaming
Message-ID: <Pine.LNX.4.21.0101102313450.4005-1000000@wd9eka_srv.evinger.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I don't know about you, But I out type it quite regularly it
does give me more time to think and go back and correct my

errors. I can also typically outrun or at least break even with 45 baud rtty, but I am not a hunt-and-pecker thanks to my dad. In high school the only class he really insisted I take was typing and that was oh 5 years before the trs80 model 1 came out. Little did I know then that my career would be programming.

:)

72
bob

On Wed, 10 Jan 2001, ZOOM wrote:

> PSK31 HAS NO ERROR correcting capabilities. Yes slow for pics but you can't
> tell me you can type faster than PSK31 can deliver! The only slow part
> about PSK31 is the operator. As far as sending pics, PSK31 is only 31 baud.
> What else do you want? It's 31 baud so you don't need allot of power to get
> your message sent a long distance. If you want to send pics, Use e-mail!!
>
> Robert Parker
>

--

Bob Evinger WD9EKA Marshall, Illinois
If Guns Cause Crime, Then Matches Cause Arson.

Date: Wed, 10 Jan 2001 22:12:02 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [88354] FOX! First fox EVER bagged - yippee!
Message-ID: <3A5D4EB2.449ABB12@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Shoot - I was just happy to be copying him! Bagged him 7141 at 0341Z.
Called for a while at 7141.40 but then went simplex and it worked.

Put up a new long wire today - basically did not measure it, just ran it as long as it would go - 17 feet of counterpoise and let the K2 tuner do the rest - oh the wire is only 20 feet up. I guess it works!

yippee! - and 7x! - jeff wk6i

ps: Nice job Karl - your signal got much stronger this way after whatever happened to you at 0335Z... were you on battery perhaps?

--

jeff stai

WK6I DM13

NAR #21059 TRA #3356 L2

jstai@home.com / wk6i@arrl.net

ROC web page: <http://www.rocstock.org/>

Date: Wed, 10 Jan 2001 22:21:05 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88355] Trip to San Antonio TX - Swap Meet
Message-ID: <00dd01c07b96\$adfb1cc0\$349eb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Guys and Gals,

Well, I'm packing the bags for San Antonio, TX! I'll be there tomorrow through the 17th visiting with family and friends. I'm going to be taking the SMK-1 along if I can fit all of the stuff to run it in my bag. I'll try to get on the air over the weekend as long as the rain stays away. I guess I picked the right time to go, as there is a swap meet going on. Hope to run into some of you down there. I'll have the laptop with me, so I'll be checking the e-mail. Take care...

73

Trev

KG6CYN

Date: Thu, 11 Jan 2001 01:23:24 EST
From: DYARNES@aol.com
To: k7qo@primenet.com, qrp-1@lehigh.edu
Subject: [88356] Re: Arkiecon 2001
Message-ID: <61.a5e6a17.278eab5c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/10/01 7:31:24 PM US Mountain Standard Time,
k7qo@primenet.com writes:

<< There is a country and western song that has the phrase --- " I wonder but
I don't really want to know." >>

Country???? Maybe. But most successfully recorded by a famous husband and
wife team that I don't think would really be considered "country". Of
course, I am referring to Les Paul and Mary Ford. I wonder if Graham and
Tony are fans of theirs too? I sure am.

Dave W7AQK

Date: Wed, 10 Jan 2001 22:50:53 -0800
From: "Dave Fifield" <ad6a@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [88357] Wind got my antennas today, in San Jose CA!!!
Message-ID: <005e01c07b9a\$d8c14a20\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got home just now (yep, working late again!) to hear
my wife tell a story of how before her very eyes a sudden
gust of wind during today's storm lifted up my R8 vertical
(guyed!!) and threw it to the ground, dead! The R8 took out
the G5RV on its way down, so I'm antennaless till the
weather turns and I can get them up again (more guys,
tower, etc....what an opportunity!!!).

The lawn furniture was thrown all around the yard too - a
minor inconvenience compared to having your antennas
trashed by Mo Nature!

Who'd have thunk it, in sunny CA!?

72, Dave Fifield, AD6A

Date: Thu, 11 Jan 2001 02:14:04 EST

From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [88358] 40 meter DX is wide open again
Message-ID: <c.fbe1a00.278eb73c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi gang,
I'm hearing W1CW in FL bagging all the DX.
He worked KL7HD and another KL7 plus many DX hounds from Europe.
One from Germany was running 1 watt.
I copied every one of the stations he worked on my indoor antenna with the
pill bottle tuner.
This has to be the best I heard 40 in my 22 years of ham radio.
ES6 is on 7.040 and again no takers.
I'm here working on another set of MFJ mods so i'm not able to get on to
night.
Where are all the night owls?
Bob
WA2HOQrp <tm>

Date: Thu, 11 Jan 2001 02:48:48 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [88359] Re: MFJ rig
Message-ID: <2b.f885738.278ebf60@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

To the person asking me about the MFJ mods.
1. yank out the XTALS and caps and have good quality ones matched up \$28.00
but is well worth it.
I have the CW filter installed and another one after the 386.
I installed the 386 anti hiss mod and replaced all resistors with 1% RCA type
in all critical areas.
Lift one end of the 1n914.
If you notice a drop in some light hash, replace it with a better quality
diode.
RS also has a better relay that seems to work smother and last a life time.
The rig is built like a tank, not that hungry for power, puts out a solid 4
watts from a battery and the only thing I'm doing now is to see if the cap
and resistor on the 386 are of the right value.
I have a list of moods for the S&S rigs but I'll need to get someone to do
all the typing.

I'll see how the print comes out on a scan.
Send a short note if you want/need them.
Bob
WA2HOQrp <tm>

Date: Thu, 11 Jan 2001 06:19:15 -0500
From: "David Porter" <dporter@voicenet.com>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88360] Re: 40 meter DX is wide open again
Message-ID: <2001011111119.f0BBJIq530268@nss4.cc.lehigh.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

About an hour ago, I worked Ole LA8PDA in Bergen, Norway on 7009. He had some trouble copying me until he got the beam turned, but gave my 2 watts with a 1/2 wave end fed wire and a BLT a 549.

A nice day for 40 meters!

David Porter
dporter@voicenet.com
AA3UR

> From: RangerSF5@aol.com
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: 40 meter DX is wide open again
> Date: Thursday, January 11, 2001 2:14 AM
>
> Hi gang,
<snip>
> This has to be the best I heard 40 in my 22 years of ham radio.
> ES6 is on 7.040 and again no takers.
> I'm here working on another set of MFJ mods so i'm not able to get on to
> night.
> Where are all the night owls?
> Bob
> WA2HOQrp <tm>

Date: Thu, 11 Jan 2001 07:11:29 -0600 (CST)
From: ac5ez@webtv.net (Larry)
To: qrp-l@lehigh.edu
Subject: [88361] TMPS

Message-ID: <12450-3A5DB101-1547@storefull-114.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Worked Lz1Lz at 0157z abt 10.09 mhz
on the OHR 30m rig with 5 watts to the av640. He was really loud .

K1zw
Larry
Qcwa

Date: Thu, 11 Jan 2001 08:48:28 -0500
From: "Russ Hines" <radioruss@fuse.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [88362] Buckeye electronics
Message-ID: <007a01c07bd5\$2def93a0\$2e2044d8@rbhines>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the request, but I was too quick on the delete key.

Whoever posted it, could you send me via direct email the statement and email address of Buckeye Electronics? No need to take up bandwidth reposting to the group.

Thanks.

73,
Russ Hines
WB8ZCC
radioruss@fuse.net
wb8zcc@arrl.net
<http://home.fuse.net/radioruss>

Date: Thu, 11 Jan 2001 06:52:17 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [88363] FOX Prelim log for Jan 10

Message-ID: <Pine.LNX.4.31.0101110651070.898-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well my first try at being a Fox is done. The 10 wpm is a blessing since my writing at the best of times is not legable, and I think I can read this pretty well. This is a preliminary log and I ask you all to look and if I made a horrible error, please send me the correction to k5di@arrl.net so I can fix it. I quit about 0345 after 10 CQ Fox without an answer.

We Fox and Hounds did well considering a major solar flare fell on the World today and 20 meters up died. If you called and I didn't hear you I'm sorry. My receiver is terrible without a CW filter and my best radio goes to the shop this week for repairs. With a 2.5 kHz bandpass everyone was on the same frequency...

January 11 2001 0200-0400 UTC

Time	Call	Report	State	Name	Power
0203	W0CH	579	MO	DAVE	5W
0205	W9DND		559	MN	JOHN 5W
0207	K5OI	599	NM	TIM	500MW
0209	K0EVZ		569	ND	DOC 5W
0210	KK5LD		559	TX	DAN 5W
0212	N1TP	599	FL	TOM	5W
0214	W9WIS		559	WI	MIKE 5W
0215	KJ0C	589	MO	JIM	5W
0218	WA7TQK		579	ID	BILL 5W
0221	K4BYF		559	FL	JACK 5W
0223	KC1FB		559	CT	JIM 5W
0227	AA7XA		559	OR	FRANK 5W
0229	AB8DF		579	MI	ED 5W
0231	K5DW	579	TX	DAN	5W
0233	WE6W	599	CA	ED	5W
0237	W2XN	579	FL	FRED	5W
0239	KV4TN		559	VA	JAMES 1W
0242	AF4PS		579	FL	MAC 4W
0245	WB5XQ		559	AR	BILL 5W
0248	N4ROA		559	VA	DAN 4W
0250	W8YMO		559	OH	HARRY 5W
0254	WE9K	459	OH	GLENN	5W

0256 W3PNL 559 PA JOE 3W
 0258 WB7AEI 589 WA PHIL 1W

0300 W9IVA 559 ND KEVIN 5W
 0302 WR50 579 TX DAVE 5W
 0303 N5IB 559 LA JIM 5W
 0306 WD5CMA 559 LA ??? 500MW
 0312 W6ABC 559 CA JACK 5W
 0314 W1ODL 559 VA RON 5W
 0316 N4SO 599 AL KEN 5W
 0318 KE6RS 559 CA RON 5W
 0320 AF4LQ 569 KY IKE 5W
 0324 AD6JY 579 CA NAT 5W
 0325 K4TJD 559 GA TOM 5W
 0329 K3EOF 559 MD SANDY 5W
 0342 WK6I 559 CA JEFF 5W
 0346 KG6CYN 559 CA ??? ??
 0359 K5DI

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 11 Jan 2001 09:07:49 -0500
 From: Ken Newman <N2CQ@citnet.com>
 To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
 Subject: [88364] CONTEST CALENDAR [QRP] - Jan 13/19
 Message-ID: <3.0.6.32.20010111090749.0084d9f0@mail.citnet.com>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

***** Michigan QRP Club Contest Date Changed *****

QRP Contesters,

Please send your sprint or contest info to: N2CQ@ARRL.NET
 We will include it in the calendar.

~~~~~

QRP CALENDAR

JAN 13-19, 2001



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## QRP-L Foxhunt

Foxhunt: Every Tuesday And Thursday  
Details: <http://www.cqc.org/fox>

Cub Foxhunt: Every Monday and Wednesday  
Details: <http://www.qsl.net/k5DI/fox/>

Fox appears: 9pm EST, 8PM CST, 7PM MST and 6PM PST.

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## FPQRP-L Truffle Hunt

Flying Pigs Truffle Hunt: 30 minutes before the Foxhunt.  
Details: [http://www.fpqrp.com/pig\\_hunt.htm](http://www.fpqrp.com/pig_hunt.htm)

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## Japan International DX Contest (CW) (1.9/3.5/7 Mhz)

Jan 12 - 2200z to Jan 14 - 2200z

Rules: <http://www.jzap.com/je1cka/jidx/jidxrule-e.html>

"Prefecture Hunter's Dream"

---

## North American QSO Party (CW)

Jan 13 - 1800z to Jan 14 - 0600z

Rules:  
<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=naqprules1>

"Beginner's Favorite"

---

AND LATER .....

---

Michigan QRP Club Contest (CW) ... QRP Contest!

Jan 20 - 1200z to Jan 21 - 2359z \*\*\* Late Date Change \*\*\*

Rules: <http://www.tir.com/~n8cqa/rules2000.htm>

"Excellent QRP-ARCI Contest Training Session"

---

North American QSO Party (SSB)

Jan 20 - 1800z to Jan 21 - 0600z

Rules:

<http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=naqprules1>

"Beginner's Favorite #2"

---

Hungarian DX Contest (CW)

Jan 21 - 0000z to 2400z

Rules: <http://home.online.no/~janalme/rules/hadxc.txt>

"To strengthen the traditional radioamateur friendship."

---

CQ WW 160-Meter DX Contest (CW) ... QRP Category

Jan 26 - 2200z to Jan 28 - 1600z

Rules: <http://www.cq-amateur-radio.com/160rules01.html>

"QRP is a real test 160 meters. Try it."

---

REF French Contest (CW)

Jan 27 - 0600z to Jan 28 - 1800z

Rules: <http://www.arrl.org/contests/months/jan.html>

"Some rare French DX may operate here"

---

UBA DX Contest (Belgian) (SSB) ... QRP Category

Jan 27 - 1300z to Jan 28 1300z

Rules: <http://home.online.no/~janalme/rules/uba.txt>

"Very good QRP entry. Work anyone"

~~~~~

Kansas QSO Party (All) (HF/VHF)

Date Jan 27 - 1800z to Jan 27 - 1800z

Rules: <http://www.arrl.org/contests/months/jan.html>

"Non-QRP but you can win anyway."

~~~~~

|                   |                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------|
| 72 de             | ***** QRP Contest Calendar *****                                                                            |
| Ken Newman - N2CQ | <a href="http://www.njqrp.org/data/contesting.html">http://www.njqrp.org/data/contesting.html</a>           |
| N2CQ@ARRL.NET     | <a href="http://www.n3epa.org/Pages/Contest/contest.htm">http://www.n3epa.org/Pages/Contest/contest.htm</a> |
|                   | <a href="http://www.qsl.net/cqrp/contests.html">http://www.qsl.net/cqrp/contests.html</a>                   |

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Date: Thu, 11 Jan 2001 07:53:53 -0700 (MST)  
From: "M.M." <markem@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [88365] Re: Wind got my antennas today, in San Jose CA!!!  
Message-ID: <Pine.BSI.3.96.1010111074224.20876A-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 10 Jan 2001, Dave Fifield wrote:

> ... a sudden  
> gust of wind during today's storm lifted up my R8 vertical  
> (guyed!!) and threw it to the ground, dead! ...

Wind can do amazing things. A few years ago during a more violent than usual summer 'monsoon' storm the wind uprooted one of our pine trees in the back yard and dropped it squarely in our swimming pool. This was about a 40' tree with about an 18" trunk...not a little sapling. Pulled it right up and over. Took out a couple sections of pool fence and made a real mess

of the pool. And to make it worse, it was one of the supports to my dipole. My roof-mounted R-7000 and VHF/UHF vertical were not harmed.

I think the storm that got you is on its way here (Phoenix area) later today. Guess we better batten the hatches...

73... Mark AA7TA

-----  
Date: Thu, 11 Jan 2001 10:12:44 -0500  
From: "Mark Paley" <mpaley@wcnet.org>  
To: "Low Power Radio Group" <qrp-l@lehigh.edu>  
Subject: [88366] transistor equivalent  
Message-ID: <PGEPLCEGJDMJPHIGJMDGGEOICBAA.mpaley@wcnet.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am looking for a transistor or its equivalent. The number is MPSU10. It is an NPN case 152. It is going to be used in a Tentec Scout (as described in the manual) to allow keying of an external amplifier. If you have any information on this I'd appreciate hearing from you.

Thanks,  
Mark Paley--KF8KL--

-----  
Date: 11 Jan 2001 10:10:47 -0500  
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>  
To: lew@paceley.com  
Cc: qrp-l;;  
Subject: [88367] Re: Buckeye Electronics Closed  
Message-ID: <2001Jan11.101047-0500@[130.113.234.7]>

Pat Tendam had supplied reasonably-priced electronic parts of great interest to QRP-er homebrewers. His efforts helped make homebrewing a less harrowing experience.

This is just a reminder that small-parts suppliers who are willing to deal with small orders are a precious resource, and deserve our support.

And this goes for our small kit suppliers too!  
-Glen VE3DNL

In <005f01c07b86\$e70e92e0\$0332a8c0@roland.swbell.net>, Lew Paceley wrote:  
>Folks,  
>Several on the list have asked whether Buckeye Electronics is still in  
>business. Sad to say, the answer is NO. I received the reply below  
>to my e-mail inquiry as to whether they were still accepting orders.

-----  
Date: Thu, 11 Jan 2001 10:49:50 -0500  
From: "ZOOM" <kandRparker@sympatico.ca>  
To: <fxtech@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [88368] TECHNICAL QUESTION!  
Message-ID: <003101c07be6\$21edc8e0\$39cdfea9@einstein>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I realize this is a bit off topic but thought here is a great place to get  
info on practically anything radio and electronic related. I have a SONY  
AN-1 amplified antenna. I only have the antenna part with the coax and am  
missing the power source. If someone has one, could they tell me what the  
polarity and voltage is going out of the control box for this antenna. I  
want to be safe then sorry. I realize I'll need DC blocking caps before it  
hits the receiver. I was thinking 0.01uF would do the job as well as a  
small choke.

Thank you for any help you can give,

Cheers,  
Rob  
VE3RPF

-----  
Date: 11 Jan 2001 10:56:10 -0500  
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>  
To: qrp-l;;  
Subject: [88369] Low-noise: measuring Base-spreading-resistance?  
Message-ID: <2001Jan11.105610-0500@[130.113.234.7]>

Transistor internals gurus:

In learning about low-noise design, I've discovered that a major contributor to lousy noise figure is a transistor's base spreading resistance. This affects direct-conversion receiver audio preamps, where input source Z is 50 ohms. RF preamps too.

Trouble is, very, very few transistor data sheets show base spreading resistance. I've also noticed that every PSPICE model i've seen defaults to "10 ohms" for this parameter. This means that PSPICE noise models often fail for low source Z. Typical Rbb ranges from 50 ohms to 1000 ohms.

So the question is, does anyone know an easy way to get the Rbb' base-spreading resistance out of the other data on a typical transistor data sheet?

Or does anyone know of an easy way to measure Rbb? I've seen one web site which says "measure input Z at a VERY high frequency". That's not easy to do, except for Ed Loranger with all those delicious HP tools at home;-)

-Glen VE3DNL leinwebe@mcmaster.ca

-----  
Date: Thu, 11 Jan 2001 10:26:09 -0600  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@lehigh.edu  
Subject: [88370] Re: Icom IC-706MKIIG Question  
Message-ID: <200101111626.f0BGQ9L03065@okcforum.org>

Shawn Upton, KB1CKT <SUpton@ALLEGROMICRO.com> posted:

> It's my understanding, for this fused negative ground lead question, that it  
> really is only important for, 1) if your radio is grounded to the battery,  
> and not local chassis, and 2) if your antenna coax and/or radio local ground  
> is properly grounded.

Safety concerns demand that we consider other failure modes, some of which may not involve the radio or antenna at all.

In a typical car, there are multiple points where uninsulated access to positive battery/alternator voltage is present. The way a car's electrical system is (mostly) designed, the point is moot, because the only "return" to the negative side of the power supply is through ground connections to the engine block or chassis. As long as an uninsulated connection to the positive side of the power supply is protected from contact with chassis ground, everything works just fine.

However, we complicate things by stringing our own direct connection to the negative battery terminal through the car (sometimes all the

way from one end to the other). If at any point that negative wire should come into contact with a connection to the positive side of the power supply, there could be trouble. As long as the wire's insulation holds out, that sort of contact should not be a problem, but we can't count on that--especially where contact with bare metal is concerned. Even if we were cocky enough to presume that there were no chance of our running our negative wire anywhere near a bare connection to the positive side of the battery/alternator combo, how could we be certain it wouldn't be moved there later? For example, what if a mechanic working under the hood some day decides to wrap our negative power lead around the starter relay, to get it out of the way?

Albeit with frequent exceptions, cars' electrical systems are mostly designed with the assumption that connections to the negative side of the power supply will be made through chassis ground. If we take it upon ourselves to disturb that assumption by snaking a direct connection to the battery's negative lead through the car, we need to take the precaution of properly fusing that lead--regardless of whether there's a radio and antenna involved, or not.

--Jim WB5UDE

-----  
Date: Thu, 11 Jan 2001 09:31:22 -0700  
From: "Francis Callahan" <colcal@srv.net>  
To: <QRP-L@Lehigh.edu>  
Subject: [88371] F/S Shack Cleaning  
Message-ID: <000901c07beb\$f054e380\$35df070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am cleaning out surplus stuff inorder to buy more QRP stuff for a list  
reply direct. 72 Cal KF7ET colcal@srv.net

-----  
Date: Thu, 11 Jan 2001 12:13:05 -0500  
From: "Hampton, Rickey" <Rickey\_Hampton@PremierInc.com>  
To: "'mpaley@wcnet.org'" <mpaley@wcnet.org>, Low Power Amateur Radio Discussion  
<qrp-l@Lehigh.EDU>  
Subject: [88372] RE: transistor equivalent  
Message-ID: <23F8F3A5C8D5D311BB5E00508B9594587FE6DA@corp03exch02.premierinc.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Mark,

I did a quick web search and found the following.

According to this site: <http://www.cir.com/parts/transist/transist.htm>, the MPSU10 is a NPN, 300V 500mA, Video Output transistor.

This site, <http://planetvulcan.homepage.com/history.html>, dedicated to the resurrection of a Sega Star Trek Strategic Operations Simulator, (You've GOT to read this if you have the time... (-: ) states, "Also replaced transistor MPSU10 at U603 with an NTE191."

I checked with NTE, <http://www.nteinc.com/specs/100to199/>, but the data sheet isn't online. NTE says, "If the data sheet that you require is not available online, please contact our literature department via e-mail at: [literature@nteinc.com](mailto:literature@nteinc.com). Please include the NTE device number(s) that you need along with your fax number or mailing address as data sheets cannot be e-mailed."

You might also try contacting Ten-Tec at "[sales@tentec.com](mailto:sales@tentec.com)" and asking for more information.

If all else fails, try these two places that claim to sell the MPSU10:

TECHSONIC

969 Edgewater# G 370  
Foster City, CA, 94404 USA  
Phone: (USA): 1(415)4125245  
FAX: (USA): 1(415)2725245  
Email: [techsonic@usa.com](mailto:techsonic@usa.com)  
<http://www.techsonicusa.com/resources.html>

Alltronics

2300-D Zanker Road San Jose, California 95131  
Tel: 408 943.9773 Fax: 408 943.9776  
<http://alltronics.com/>  
Has them listed for \$0.97

Hope that helps.

Rick Hampton  
Manager, Operations Support  
800.825.1786 Ext. 5476

-----Original Message-----



From: Mark Paley [mailto:mpaley@wcnet.org]  
Sent: Thursday, January 11, 2001 10:13 AM  
To: Low Power Amateur Radio Discussion  
Subject: transistor equivalent

I am looking for a transistor or its equivalent. The number is MPSU10. It is an NPN case 152. It is going to be used in a Tentec Scout (as described in the manual) to allow keying of an external amplifier. If you have any information on this I'd appreciate hearing from you.

Thanks,  
Mark Paley--KF8KL--

\*\*\*Note:The information contained in this message may be privileged and confidential and protected from disclosure. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the Sender immediately by replying to the message and deleting it from your computer. Thank you. Premier Inc.

-----  
Date: Thu, 11 Jan 2001 17:31:13 -0500  
From: John Farler <jfarler@mis.net>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [88373] HTX-10 CW ADAPTOR  
Message-ID: <3A5E3431.6D57807B@mis.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

At the Morristown, TN. hamfest last Sat.  
I saw a neat CW adaptor that owners of the RS HTX-10 might be interested in, judging from discussions on this list.  
It is in a nice Ten-Tec Box, and includes a built in keyer, no external power connections, all shielded cable, tune/zero beat push button with side tone set to same as CW offset freq.  
It can be used as code practice oscillator off the air, CMOS circuitry with full iambic operation, dot-dash memory....

This unit is being sold for around \$50 assembled by "Dit-Tronics" at 865-546-7387, or P.O. Box 10241, Knoxville, Tn. 37939-0241.

It just plugs into mic connector, and you plug your paddles into the unit.

Usual Disclaimer...no connection with the fellow marketing the unit...he has no email, and have seen lots of discussion of such a unit here...

72,  
John Farler, K4AVX  
Hazard, Ky. 41701  
jfarler@mis.net

-----  
Date: Thu, 11 Jan 2001 11:02:53 -0700  
From: "Rod Cercone" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [88374] Re: [TMPS] Thirty Meter Propagation Study for 2001 [long]  
Message-ID: <OE674vuQElnrc5DylAV0000116e@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Thanks all for you suggestions and help. Found some good stuff.

>From N4SO: MONITORING TIMES - MAGAZINE  
<http://www.grove-ent.com/hmpgmt.html>

Also check our the Radio Netherlands Website at:

<http://www.rnw.nl/realradio/booklist/html/guides.html>

Lists and reviews of a variety of guides and periodicals.

73, Rod N0RC  
Ft Collins CO

----- Original Message -----

From: "Rod Cercone" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, January 08, 2001 08:53 PM  
Subject: Re: [TMPs] Thirty Meter Propagation Study for 2001 [long]

...

> I've always know about sharing 30 with others but could never find  
out with  
> who, or where they're at. Can you direct me to a source of that  
info?  
>

-----  
Date: Thu, 11 Jan 2001 10:03:59 -0800 (PST)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: kleibe@anatel.gov.br, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88375] Re: 80/40 Vertical..  
Message-ID: <20010111180359.63777.qmail@web9606.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

There is a lot of good antenna information at:

<http://www.arrl.org/tis/info/antproj.html>

I know of no better place to start - note also the  
website links. A lot of antenna ideas here! After  
seeing stuff on this site - check W4RNL !

My antenna farm is simple - i do have a commercial  
vertical for 10-20m, but i use an off-center fed  
dipole on 160-30m and i also use homebrew 2 element  
quads on 10 and 6 meters.

The off-center fed dipole uses ladder line - it is a  
random length antenna - about 60 meters long, fed at  
20m from the end near the shack. For 80m it could be  
about half as long and still work.

If you have a difficult installation - let me know  
what it is & maybe i can help.

If you are space and height limited - you might look  
at the half sloper articles. If you don't have a  
tower - you can use a wire to represent one - see the  
160m antenna article on this.

Ciao, (wish i could speak your language more ....)

Curt WB8YYY

--- Kleibe Jacinto de Araujo <kleibe@anatel.gov.br>

wrote:

> Gang...again....  
> About Vertical antennas, in special for 80 and 40,  
> where i would get more  
> info on the Net???  
> Tnx for any help...  
>  
>  
> 73 s  
> Kleibe Jacinto de Araujo  
> PP2KJA  
> QRP ARCI #10175  
> G-QRP #10515  
>  
>

-----  
Do You Yahoo!?

Yahoo! Photos - Share your holiday photos online!

<http://photos.yahoo.com/>

-----  
Date: Thu, 11 Jan 2001 11:21:39 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [88376] Re: Low-noise: measuring Base-spreading-resistance?

Message-ID: <Pine.BSI.3.96.1010111111557.28248A-100000@usr01.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Glen,

Yes, there is an easy way. For most transistors, there is a "collector-base time constant (Tcb)" listed, or there should be. The "collector-base capacitance (Ccb)" should also be listed. You can determine the base spreading resistance Rbb by way of:

$$R_{bb} = \frac{T_{cb}}{C_{cb}}$$

Chris

```
> Transistor internals gurus:
>   In learning about low-noise design, I've discovered that
> a major contributor to lousy noise figure is a transistor's
> base spreading resistance. This affects direct-conversion
> receiver audio preamps, where input source Z is 50 ohms. RF preamps
> too.
>   Trouble is, very, very few transistor data sheets show
> base spreading resistance. I've also noticed that every PSPICE
> model i've seen defaults to "10 ohms" for this parameter. This
> means that PSPICE noise models often fail for low source Z.
> Typcial Rbb ranges from 50 ohms to 1000 ohms.
>   So the question is, does anyone know an easy way to
> get the Rbb' base-spreading resistance out of the other data
> on a typical transistor data sheet?
>   Or does anyone know of an easy way to measure Rbb? I've
> seen one web site which says "measure input Z at a VERY high
> frequency". That's not easy to do, except for Ed Loranger with
> all those delicious HP tools at home;-)
> -Glen VE3DNL      leinwebe@mcmaster.ca
>
```

```

      .-----  

      /          \ What's all this  

    / extinct stuff, anyhow? \  

    \ -----' ----'  

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\   \|     '\   \|   \|  
\   \|     "'   \|   \|  
.         ( ) \   \|  
'- - | ) _-| :. \   \|  
| | | | \   \|  
c_ ; c_ ; '-... '>._
```

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Thu, 11 Jan 2001 10:43:11 -0800  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-l@lehigh.edu>  
Subject: [88377] K1 current draw on receive??  
Message-ID: <01c07bfe\$58ff2640\$330b0d0a@dhendricks>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, have a question for all of you who have built the K1. Would you do the following experiment for me?

1. Tune in a fairly good signal, say 579, and put your volume control at 12:00.
2. Measure and report the current drain with Headphones and with the speaker.

Thanks, Doug, KI6DS

-----  
Date: Thu, 11 Jan 2001 11:42:45 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88378] Another Patent Issued  
Message-ID: <Pine.BSI.3.96.1010111113909.29314A-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm please to announce that my second patent, this one entitled "Lossless Feedback Transistor Amplifiers with Linearity Augmentation", number 6,170,563, was finally issued this morning. Much to my dismay, the first page has numerous spelling errors on the part of the US Patent Office, and I will probably have to write a 2-3 page certificate of correction. I blame this on Florida. We should give it back to the Spanish and let them deal with it.

Chris



>capability.  
>  
>I am using it to replace an FT-690, FT-290, and FT-790 (all MK II=  
versions).  
>  
>It is quite a neat rig, with quite a few features. And some you might not  
>expect in a portable rig.  
>  
>I won't bore everyone by repeating the feature list - see the Yaesu web=  
page  
>or data sheet.  
>  
>The one drawback to the long feature set is that it takes reading the=  
manual  
>and playing with the rig to learn all of them. Most of them are handled  
>through one of two menu systems.  
>  
>The main problem with the rig is power consumption and power capacity. It  
>is powered with either an internal AA pack or an external 8-16 volt supply.  
>  
>The rig comes with a AA holder for 8 cells. An optional 1200 mAH ni-cad  
>pack (not available yet) will also fit inside. The ni-cad pack can be  
>charged in the radio via an external 13.8 volt supply.  
>  
>By a simple mod (see [www.mods.dk](http://www.mods.dk)) one can fool the radio into thinking that  
>the Yaesu ni-cad pack is installed. This would allow one to charge user  
>supplied ni-cads or Ni-MH cells in the radio.  
>  
>I haven't tested this mod yet. I will be though. AA alkalines don't last  
>very long. Perhaps only a few hours of operation with very little  
>transmitting.  
>  
>The older Yaesu portables draw less current and used C-cells in their  
>battery pack. Consequently they lasted much longer on batteries.  
>  
>I tested the current draw on my FT-290 MKII and the FT-817 and came up with  
>the following data:  
>  
>  
>A 13.8 volt supply was used all of the tests.  
>  
>On TX tests a dummy load and Daiwa CN-465m power/SWR meter was used for=  
very  
>approximate TX power level measurements.  
>  
>  
>FT-290 MKII  
>



```

>Receive 1/2 volume noise SSB mode      0.11 A
>Receive full volume noise SSB mode      0.12 A
>Receive 1/2 volume voice SSB mode       0.14 A
>Receive full volume voice SSB mode      0.31 A
>
>Receive 1/2 volume noise FM mode        0.10 A
>Receive full volume noise FM mode      0.11 A
>
>Receive squelched                        0.10 A
>
>TX FM high power (1.8 W meas)           1.18 A
>TX FM low power (0.25 W meas)           0.60 A
>
>TX CW high power (1.9 W meas)           1.17 A    (with sidetone)
>TX CW low power (0.25 W meas)           0.63 A    (with sidetone)
>
>Backlight draws 90 mA in addition to the above numbers.
>
>
>
>FT-817
>
>Receive 1/2 volume noise SSB mode      0.29 A
>Receive full volume noise SSB mode      0.31 A
>Receive 1/2 volume voice SSB mode       0.33 A
>Receive full volume voice SSB mode      0.46 A
>
>Receive 1/2 volume noise FM mode        0.29 A
>Receive full volume noise FM mode      0.31 A
>
>Receive squelched                        0.26 A
>
>TX FM 4/4 power (3.9 W meas)            2.02 A
>TX FM 3/4 power (1.9 W meas)            1.48 A
>TX FM 2/4 power (0.6 W meas)            1.04 A
>TX FM 1/4 power (0.4 W meas)            0.91 A
>
>TX CW 4/4 power (3.9 W meas)            2.07 A    (with sidetone)
>TX CW 3/4 power (1.9 W meas)            1.53 A    (with sidetone)
>TX CW 2/4 power (0.6 W meas)            1.09 A    (with sidetone)
>TX CW 1/4 power (0.4 W meas)            0.97 A    (with sidetone)
>
>Backlight draws 20 mA in addition to the above numbers.
>
>
>
>With the above numbers it is quite easy to see why the FT-817 internal
>batteries are ill equipped. The RX current draws are almost 3x that of the

```

>FT-290 while the TX current draws are a bit higher for equivalent output  
>powers.  
>  
>To be fair though, the FT-817 is almost 3/4 the size and volume and 1/2  
>weight of the FT-290. By adding a small external battery pack, the FT-817  
>would fare much better on operating time.  
>  
>I haven't had much opportunity yet to test the actual on-air performance of  
>the radio. I am especially curious to check the strong-signal handling  
>performance (or lack thereof) of the radio. I hope to test that during the  
>upcoming January VHF contest with a QRP portable operation.  
>  
>73,  
>  
>Marc - N8KWX  
>  
>  
>  
>  
>  
>  
>-----  
>Submissions: vhf@w6yx.stanford.edu  
>Subscription/removal requests: vhf-request@w6yx.stanford.edu  
>Human list administrator: vhf-approval@w6yx.stanford.edu  
>

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
NETXQRP Club Website =96 <http://www.angelfire.com/tx4/netxqrpclub/>

-----  
Date: Thu, 11 Jan 2001 11:52:46 -0700 (MST)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: Chris Trask <ctrask@primenet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88380] Re: Another Patent Issued  
Message-ID: <Pine.SUN.4.10.10101111149340.897-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 11 Jan 2001, Chris Trask wrote:

> I'm please to announce that my second patent, this one entitled  
> "Lossless Feedback Transistor Amplifiers with Linearity Augmentation",  
> number 6,170,563, was finally issued this morning.

Congratulations, Chris. This is an accomplishment you have a right to be proud of. Will it be published anywhere soon in any of the trade publications (RF Design, EDN, etc.?). Or anywhere now?

Keep up the good work ... professionally and personally.

> I blame this on Florida.

VERY tempting ... but think I'll refrain from commenting :-)

72, Paul NA5N

-----  
Date: Thu, 11 Jan 2001 13:58:44 EST  
From: Macstein@aol.com  
To: qrp-1@lehigh.edu  
Subject: [88381] Re: Another Patent Issued  
Message-ID: <c1.a9ccf26.278f5c64@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 1/11/01 1:44:03 PM Eastern Standard Time, ctrask@primenet.com writes:

> I blame this on Florida. We should give it back to the  
> Spanish and let them deal with it.  
>

Chris,

Congratulations! I've watched your progress from afar with interest, and admire anyone who can accomplish this!

I do happen to be a Florida resident, however, in this matter I stand defenseless. And once again, Paul H. demonstrates restraint, class and wisdom. Whadda guy!  
;-)

72

-MAC-

AF4PS

Odessa, FL "Home of the Infamous Attic Dipole", new stealth loop, and K2  
#643

QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,  
ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5,  
SOC #28, West FL QRP, Flying Pig QRP #-51...  
and various other annual \$15 commitments.

-----  
Date: Thu, 11 Jan 2001 11:18:20 -0800  
From: "Phinizy, William" <wphinizy@filenet.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [88382] Harbor Freight Punch  
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76919@hq-expo2.filenet.com>

Some blackguard broke into my garage and stole a bunch of stuff (4 o-scopes -- but that's another story). Well, he made off with the Harbor Freight hole punch I used to do Manhattan stuff. I can't seem to remember what the part number or description is so I can order another. Anyone know?

Also, anyone know who else sells an 8-inch metal shear I can use for clean PCB cuts? Seems Harbor Freight doesn't list them anymore.

Thanks in advance..

W. H. Phinizy, K6WHP  
Principal Engineer  
FileNET Corporation

-----  
Date: Thu, 11 Jan 2001 14:24:27 -0500  
From: Ron Majewski <majewski@erim-int.com>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [88383] FOX: CubFox Hunt #24 Final Log  
Message-ID: <3A5E086B.C5E950F4@erim-int.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks again to all for the QSOs and see you again soon!

Ron.

|            |     |       |    |    |
|------------|-----|-------|----|----|
| 0202 K9IUA | 559 | KEVIN | ND | 5W |
| 0203 AA7XA | 559 | FRANK | OR | 5W |

|      |          |       |       |       |    |
|------|----------|-------|-------|-------|----|
| 0205 | KV4EE    | 559   | CRAIG | SC    | 5W |
| 0208 | K4BYF    | 559   | JACK  | FL    | 5W |
| 0210 | KC1FB    | 599   | JIM   | CT    | 5W |
| 0212 | K4TJD    | 559   | TOM   | GA    | 5W |
| 0213 | W3PNL    | 579   | JOE   | PA    | 3W |
| 0215 | K0EVZ    | 589   | DOC   | ND    | 2W |
| 0216 | AF4PS    | 559   | MAC   | FL    | 4W |
| 0218 | W0CH 579 | DAVE  | MO    | 300MW |    |
| 0219 | AB5XQ    | 559   | BILL  | AR    | 5W |
| 0222 | KK5LD    | 559   | DAN   | TX    | 5W |
| 0225 | WR50 559 | DAVE  | TX    | 5W    |    |
| 0229 | K5PSH    | 559   | JERRY | TX    | 5W |
| 0231 | N10DL    | 579   | ARON  | NH    | 4W |
| 0234 | VA6RF    | 559   | EARL  | AB    | 5W |
| 0240 | AJ4AY    | 579   | JAY   | AL    | 5W |
| 0243 | KE0WW    | 579   | MIKE  | MN    | 5W |
| 0245 | N5ZE 559 | LEW   | TX    | 5W    |    |
| 0248 | KI0II    | 579   | RON   | CO    | 5W |
| 0250 | KJ0C 559 | JIM   | MO    | 5W    |    |
| 0252 | K5DW 559 | DON   | TX    | 3W    |    |
| 0255 | N0TU 559 | STEVE | CO    | 5W    |    |
| 0258 | WB7AEI   | 459   | PHIL  | WA    | 5W |
| 0300 | N5GLQ    | 569   | MIKE  | LA    | 5W |
| 0301 | AA7EQ    | 559   | BOB   | AZ    | 5W |
| 0307 | N5OHL    | 559   | JIM   | OK    | 5W |
| 0311 | WA7TQK   | 559   | BILL  | ID    | 5W |
| 0315 | W7MD 559 | DAMON | AZ    |       |    |
| 0317 | AC5JH    | 559   | TOM   | OK    | 5W |
| 0319 | K5ZTY    | 559   | BILL  | TX    | 5W |
| 0326 | W9UQB    | 559   | MIKE  | AZ    | 5W |
| 0336 | K5OI 559 | TIM   | NM    | 5W    |    |
| 0343 | W9XUH    | 559   | DON   | AZ    | 5W |
| 0346 | N5IB 549 | JIM   | LA    | 5W    |    |
| 0358 | W6ABC    | 559   | JACK  | CA    | 5W |
| 0000 | W8RU/FOX |       | RON   | MI    | 5W |

-----

Date: Thu, 11 Jan 2001 13:48:00 -0700  
From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>, "ncarc-l" <ncarc@qth.net>  
Subject: [88384] Fw: Aurora Watch and Lunar Eclipse Photos  
Message-ID: <0E75gSwhlFHmxYqMgzB00000121a@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Perhaps some may be interested in this:

----- Original Message -----

From: "SpaceWeather.com" <spaceweather@lists.spaceweather.com>

To: "SpaceWeather.com" <spaceweather@lists.spaceweather.com>

Sent: Thursday, January 11, 2001 11:21 AM

Subject: Aurora Watch and Lunar Eclipse Photos

> Space Weather News for January 11, 2001

> <http://www.spaceweather.com>

>

> AURORA WATCH: SOHO coronagraphs recorded a full-halo solar coronal mass

> ejection (CME) on Wednesday that could hit Earth's magnetosphere by week's

> end. Our planet is already inside a faster-than-usual solar wind stream

> that could set the stage for auroras when the CME arrives. Visit

> SpaceWeather.com for details and animations of the CME.

>

73, Rod NØRC

Ft Collins CO

-----  
Date: Thu, 11 Jan 2001 14:34:49 -0700 (MST)

From: Chris Trask <ctrask@primenet.com>

To: "Paul Harden, NA5N" <na5n@rt66.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [88385] Re: Another Patent Issued

Message-ID: <Pine.BSI.3.96.1010111142741.5453B-100000@usr01.primenet.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 11 Jan 2001, Paul Harden, NA5N wrote:

>

> On Thu, 11 Jan 2001, Chris Trask wrote:

> > I'm please to announce that my second patent, this one entitled

> > "Lossless Feedback Transistor Amplifiers with Linearity Augmentation",

> > number 6,170,563, was finally issued this morning.

>

> Congratulations, Chris. This is an accomplishment you have a right

> to be proud of. Will it be published anywhere soon in any of the

> trade publications (RF Design, EDN, etc.?). Or anywhere now?

>

Paul,

Thank you. I have four more to go, all of which should be issued this year. What worries me right now is that they may go through the same unit at USPTO, which means I may spent the rest of my life writing Certificates of Correction. :{)

I published a paper on these amplifiers at the 1999 Midwest Symposium on Circuits and Systems (MWSCAS 99), which can be downloaded from the publications section of my webpage at:

[www.primenet.com/~ctrask](http://www.primenet.com/~ctrask)

BTW: Yuri Bruck, a radio astronomer from Europe/Russia published an extensive two-part series on experiments with lossless feedback amplifiers. I sent him a copy of my MWSCAS paper but did not hear back from him.

Chris

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    / extinct stuff, anyhow? \
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High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Thu, 11 Jan 2001 14:57:45 -0700 (MST)  
From: Chris Trask <[ctrask@primenet.com](mailto:ctrask@primenet.com)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>

Subject: [88386] Re: Another Patent Issued  
Message-ID: <Pine.BSI.3.96.1010111145614.6698B-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

It was just pointed out to me that I got the number of that new patent wrong. It should have been #6,172,563.

Unrestrained exhuberance, that's what it is.

Chris

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```

# High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Thu, 11 Jan 2001 15:06:16 -0700  
From: Andrew Madsen <andrew@utahdesign.com>  
To: qrp-l@Lehigh.EDU  
Subject: [88387] FS: DSW-20  
Message-ID: <3A5E2E58.CD28796A@utahdesign.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Just a reminder. My DSW-20 auction on eBay ends in 24 hours. This is your chance to own a great rig! The auction URL is:



<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1206432878>

Good Luck bidding!

--

73,

Andrew Madsen AC7CF

ac7cf@qsl.net

<http://www.qsl.net/ac7cf>

AOL IM: ac7cf

FISTS nr. 7439 | QRP-L nr. 2180

FPQRP#-71 | A.R.S nr. 738

SOC #376 | UARC | ARRL

Norcal | NOGAQRP | NJQRP

-----  
Date: Thu, 11 Jan 2001 15:15:40 -0700

From: "Bob Hightower" <nk7m@extremezone.com>

To: "qrp" <qrp-1@lehigh.edu>, "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>

Subject: [88388] Noise Generator and Mic Pre-amp kits

Message-ID: <007901c07c1c\$097895c0\$c81df5cc@mshome.net>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'm not sure who has posted info on the web about these two kits, previously offered by the AZ ScQRPions, but we are all out of them, and don't plan to offer them any longer. \_Please\_ do not send any orders for these kits. I am in the process of returning those that have been recently received.

72,

Bob Hightower NK7M

<http://www.extremezone.com/~nk7m>

-----  
Date: Thu, 11 Jan 2001 17:31:21 -0500

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [88389] Re: Another Patent Issued

Message-ID: <074e01c07c1e\$3bfd6820\$010044c0@baycty1.mi.home.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Chris - Congrats!!

And for those QRP-Lers who don't make a habit of reading these things, you can see it at [http://www.delphion.com/details?&pn=US06172563\\_\\_](http://www.delphion.com/details?&pn=US06172563__)

well, the abstract and a few other goodies, gotta pay to get the whole thing. Also, you need the 2 trailing underbars. For some reason Outlook Express doesn't include them when you click on the URL.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Chris Trask" <ctrask@primenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Thursday, January 11, 2001 4:57 PM  
Subject: Re: Another Patent Issued

-----  
Date: Thu, 11 Jan 2001 14:39:24 -0800  
From: Stephen M Smith <sigcom@juno.com>  
To: wphinizy@filenet.com  
Cc: qrp-l@Lehigh.EDU  
Subject: [88390] Re: Harbor Freight Punch  
Message-ID: <20010111.143925.-498737.2.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

William,

Just looked it up on their web site: 44060-1VGA  
<http://www.harborfreight.com/cpi/taf/Displayitem.taf?itemnumber=44060>

Good luck.

73.....Steve, WB6TNL      The Scrounger  
Oxnard, CA    USA                      "snort rosin"

-----

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 11 Jan 2001 14:41:16 -0800

From: Stephen M Smith <sigcom@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [88391] Re: Harbor Freight Punch

Message-ID: <20010111.144117.-498737.3.sigcom@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

William and group,

Looks like it's still available, I just looked it up on their web site:

44060-1VGA

<http://www.harborfreight.com/cpi/taf/Displayitem.taf?itemnumber=44060>

Good luck.

73.....Steve, WB6TNL The Scrounger

Oxnard, CA USA

"snort rosin"

-----  
GET INTERNET ACCESS FROM JUNO!

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Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 11 Jan 2001 14:50:05 -0800

From: Stephen M Smith <sigcom@juno.com>

To: wphinizy@filenet.com

Cc: qrp-1@Lehigh.EDU

Subject: [88392] Re: Harbor Freight Punch

Message-ID: <20010111.145005.-498737.4.sigcom@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

William,

Harbor Freight has 5", 6" and 12" hand-operated shears. See

[www.harborfreight.com](http://www.harborfreight.com) and search on keyword "shear".

```
73.....Steve, WB6TNL    The Scrounger
Oxnard, CA  USA           "snort rosin"
```

Date: Thu, 11 Jan 2001 16:04:25 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: "John J. McDonough" <wb8rcr@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88393] Re: Another Patent Issued  
Message-ID: <Pine.BSI.3.96.1010111160309.9019A-100000@usr01.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

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> Chris - Congrats!!
>
> And for those QRP-Lers who don't make a habit of reading these things, you
> can see it at http://www.delphion.com/details?&pn=US06172563\_\_
>
> well, the abstract and a few other goodies, gotta pay to get the whole
> thing. Also, you need the 2 trailing underbars. For some reason Outlook
> Express doesn't include them when you click on the URL.
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Go to the "Searchable Database" button and then to "Patent Number Search".  
The rest is easy.

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Date: Thu, 11 Jan 2001 12:07:48 -0600  
From: Dave Sjolin <sjolin@swbell.net>  
To: john@neknetwork.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [88394] Re: FOX: Cub scoring site updated  
Message-ID: <3A5DF674.C430A42F@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

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>
> All;
>
> I have updated the Fox Cub Scoring site with the latest and greatest
> results that I've received. http://www.neknetwork.com/foxcub2000/ -
> hound scores, fox scores and logs and maps are available.
>
> I'm missing one log from the double hunt on 1/02/2001.
>
> All Cub Foxii; Please send me your final logs ASAP after your hunt. The
> following format should be used:
>
> TIME CALL RST SPC NAME PWR
>
> Example: 0200 AA1AA 559 MA BOB 5W
>
> Please remember to add yourself at the end at 0400 and include your
```

> power. Tab delimited is fine, space delimited is better.  
>  
> All hounds; if you care about your score on the site and you have  
> changed your call sign mid-season, please let me know so I can make sure  
> your scores are accurate.  
>

Hi John, just looked at the latest map for my hunt on your website and you have my state listed as MS. It is MO. As far as I know I have never even traveled in MS much less lived there. :-)

73 de Dave, N0IT

-----  
Date: Thu, 11 Jan 2001 18:44:28 -0500  
From: "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [88395] Re: FT-817 Question  
Message-ID: <3A5E455C.783B997F@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes, an all modes on all bands rig.

72 de N8PVZ

---bernie FT817 owner

--

Bernard F. Gaffney, Jr. N8PVZ  
MI-QRP# M-1152 QRP-ARCI# 9446  
n8pvz@arrl.net  
<http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/>  
Searching for Gaffney, Gascho, Moers, and Hetzer

-----  
Date: Thu, 11 Jan 2001 23:48:57  
From: "Larry Wise" <lewise@txwises.com>  
To: "qrp" <qrp-l@lehigh.edu>  
Cc: "Tim Sprouse" <n4cnu@home.com>  
Subject: [88396] Fwd: RadioKit - Debug Deja Vu - 4  
Message-ID: <200101112349.RAA73793@aoot.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Tim's Continuing saga....

=====BEGIN FORWARDED MESSAGE=====

>From: "Tim Sprouse" <n4cnu@home.com>  
>To: "Larry KA5T Wise" <lewise@txwises.com>  
>Cc: "Gary KB2PQE Losee" <putska@juno.com>  
>Subject: RadioKit  
>Date: Thu, 11 Jan 2001 18:25:33 -0500  
>

Continued from January 5, 2001

>From Tim Sprouse

When I suspect a difficult trouble shoot is at hand, one of the things I due in preparation is to photo copy the schematic, board layout and page(s) with the various adjustments.I find that by highlighting all of the semiconductors, (IC's, transistors etc.) it is extremely helpful and saves wear and tear on the service (assembly manual). As you can imagine, this kit creates a lot of wear and tear on the material as well as the hardy soul who attempts to assemble or repair it.

Now it's time to check the VFO for our 4 to 5MHz RF waveform using my rusty, scratch that, I mean trusty BK scope. It's not in the specified range but I see that it;s running from 4.86 to 5.3MHz. Not being one to miss an opportunity to tweak, I try to pull the VFO in range using CE. At this point I decided to inject a signal at 7.040MHz at over 700uvs and rock it back and forth a couple hundred KHz, nada. Well, time to return to basics. Even though I have access to good test equipment, I like to keep things simple until complicated becomes necessary. In this case I use the poor man's signal generator, a dental pick, my first index finger and my thumb. I then inject this myriad of noise into U4 pin2 (ouch) that's loud,U3 pin1, ouch again. Good. I then look at the BFO Y6 using my scope, nothing. Time to turn off the rig and do another visual, ugh, another solder bridge between pins 7 and 8. I continue on, never would have seen it without my mags.

Yuk what's this, nothing in the BFO seems to match the schematic. I guess I'll draw what I see and go from there. Every thing matches up except pins 6, 7, 4 and 1, wait a minute, pin 1 goes to a .001mf cap and the other end goes no where. Drat, there goes another wire, no, make that two. I originally had intended to mount the rig in a test jig so that every thing would be ridged and the----- did I ever mention how much I like Teflon coated stranded wire?

If I didn't know there were some of these in the field already working, I'd QUIT right here. The only thing I like better than Teflon wire is winding toroids. I now remove L4 and check it's windings and placement. Now a third wire breaks. two more bad connections found. Ugh, will it never end?

I have made a decision, it's time to mount this puppy in a test jig. I have also made a decision to rewire the entire rig using a different kind of wire. Did I ever mention how much I liked-----

=====END FORWARDED MESSAGE=====

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End of QRP-L Digest 2064

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